



SUPPLEMENTAL TECHNICAL INSTRUCTIONS	Supplement Number	Date Issued
	98-3	2/9/98

National Mapping Division

SUBJECT

Minor Revision Procedures

BACKGROUND

One of the objectives of the mapping program is to increase the emphasis on minor revisions. The production procedures for as-is reprints, standard reprints, and minor revisions are summarized in STI 93-1-C. Information pertaining to source notes and map dates for replacement mapping and minor revisions is given in STI 96-1. The policy statement for authorizing as-is reprints, standard reprints, and minor revisions for the replenishment of published map stock are contained in NMD Policy 93-PO-8.

There have been several decisions that affect the preparation of minor revisions since STI 93-1-C and STI 96-1 were issued. These decisions have been incorporated into this STI, in order to provide a more current and complete set of instructions. This STI supersedes the information in STI 93-1-C and STI 96-1 that applies to minor revisions.

INSTRUCTIONS

The attached instructions refer to National Mapping Division "primary" series maps. The primary series includes 1:20,000-scale quadrangles of Puerto Rico, 1:24,000- or 1:25,000-scale quadrangles of the conterminous United States, Hawaii, and U.S. Territories, and 1:63,360-scale quadrangles of Alaska. Special maps are handled on a case-by-case basis. Implement procedures upon receipt.

APPLIES TO

All National Mapping Division standard primary series graphics, as well as other maps prepared as either cooperative efforts or under joint funding agreements.

ISSUED TO

EDC, MAC, MCMC, RMMC, WMC, TVA, USDA-Forest Service

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MINOR REVISION PROCEDURES

Minor revisions are intended to replace the existing map stock of primary series maps with a new edition containing updated collar content and map detail.

The target stock level for minor revisions is based on the estimated number of maps required for a 5-year supply. This target stock level may change according to a more complex schema. The target stock level for USGS & USDA-Forest Service single edition maps is a 7-year supply. The existing map stock is destroyed and new automatic and immediate sendings are made. Print run quantities are determined by adding the target stock level to the automatic and immediate sendings (automatic sendings are shipped to libraries and ESIC offices, while immediate sendings are shipped to cooperators and other recipients of complimentary maps). The print run quantity figure is supplied to the Printing Branch of the Mapping Application Center by the mapping center submitting the map for printing.

The following changes are made to the map separates, if necessary:

- Names information: update names to reflect BGN decisions from GNIS and to correct previous errors from the correction file. Reposition or add boundary labels or area names associated with boundaries. All other names are retained.
- Delete railroad names.
- Change "JEEP TRAIL" labels to "4WD".
- Correction file: correct errors that can be readily verified.
- Boundaries: update all boundaries, except for corporate limits. Update corporate limit boundaries only when there is a source readily available, or the time required to procure the information will not delay the minor revision process. Update the Public Land Survey System to the extent required to plot the boundary information. Eliminate the enhancement tint that was previously shown on the boundaries of lands administered by the National Park Service.
- UTM grid: show the full-line grid on all maps, except USGS & USDA-Forest Service single editions. Show UTM grid ticks on single edition maps.
- Show dashed corner ticks for NAD 83 based on actual shift values if ticks do not exist or if existing ticks are not within .02 inches of the correct position; show the current horizontal datum notes.

Note: The Alaskan islands of St. Lawrence, St. Matthew, St. Paul, or St. George each have their own datum and they should be referenced in lieu of NAD 27. For Hawaii, reference the Old Hawaiian Datum in place of NAD 27; for Puerto Rico, reference the 1940 Puerto Rico datum. NADCON supports conversion from these island datums to NAD 83.

- Delete the control note.
- Inspection/revision note:

Replace the source notes of maps that have not been previously revised with the following notes:

Derived from imagery taken 19__ and other sources. Photoinspected using imagery taken 19__; no major culture or drainage changes observed. PLSS and survey control current as of (most recent field check date). Boundaries (if appropriate, add "other than corporate") verified (or "revised") (year the boundaries were verified or revised)

The "derived from imagery" date is the year of the image source of the base map compilation when there were no subsequent revisions.

Replace the source notes of maps that have been previously revised using analog photorevision or digital limited update methods with the following notes:

Topography compiled 19__. Planimetry derived from imagery taken 19__ and other sources. Photoinspected using imagery taken 19__; no major culture or drainage changes observed. PLSS and survey control current as of (most recent field check date). Boundaries (if appropriate, add "other than corporate") verified (or "revised") (year the boundaries were verified or revised)

The "topography compiled" date is the year of the image source or the planetable survey of the topographic compilation.

The "planimetry derived from imagery" date is the year of the most recent revision imagery.

The "most recent field check date" is historical data that may be obtained from the Map Catalog or the previously published map.

Omit any reference to the PLSS if there is not PLSS on the map.

Replace the source notes of provisional maps with the same information as above.

- Add the following note to the black lettering plate below the credit legend, if there is purple symbology on maps that have been revised using analog photorevision methods. If there is a lack of space below the credit legend, position the note below the quadrangle location diagram:

Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours

- Delete the supersedes note.
- Inholdings note: add if there are Federal or State reservation lands within the map.
- Delete the built-up area tint note.
- Delete the fence line note.
- Add the Canada copyright note, if appropriate.
- Declination diagram: change to current values and style.
- Bar scale: replace if needed.
- Vertical datum note: correct, if necessary. Pending official approval, information will be provided on the shift from NGVD 29 to NAVD 88.
- Conversion notes:
 - Show only the following note when elevation data are in feet:

TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048
 - Show only the following note when elevation data are in meters:

TO CONVERT FROM METERS TO FEET, MULTIPLY BY 3.2808
- Show the current for sale note.
- Show the current road classification legend.
- If the quadrangle is in more than one State, then show the location diagram for the State containing the feature for which the map is named. If the map name is a 15-minute directional name, show the location diagram for the State with the largest area on the map. Show the TVA location diagram for maps in TVA areas.
- If the quadrangle is in more than one State, then show the State name containing the feature for which the map is named in the first position in the map title blocks. If the map name is a 15-minute directional name, show the State with the largest area in the first position in the map title blocks.
- Adjoining quadrangle names: add the adjoining quadrangle name diagram to the bottom margin of the map and delete the side sheet names along the projection for maps on which the existing adjoining quadrangle names are in error and for all maps below 30° north latitude.

- If the top line in the lower right map title block is replaced, then change the State abbreviations to the current standard two-letter form.
- If the quadrangle name has changed at any time, append a line to show the former name in parentheses below the series note in the upper right title block and below the quadrangle name in the lower right title block, e.g., "(FORMERLY SABLE)".
- Omit the map reference code.
- Omit the quarter quadrangle note.
- Map date: change the map date to the date of the primary source used to photoinspect the map.
- Change the "DMA" reference number to "NIMA".
- Remove special printing notes, such as "Contours and Woodland Omitted", from the map margins.
- Add the International Standard Book Number (ISBN) and European Article Number (EAN) symbology bar code.
- Delete all dots and stars preceding the imprint note; replace the GPO imprint note with the current USGS imprint note; change the imprint date.
- Remove the USGS Centennial logos or any of the various State Centennial or Sesquicentennial logos from the map margins.
- Add the USGS visual identity.
- Update the highway shields, where possible.
- Delete the road destinations.